# SNOW SURVEYS AND IRRIGATION WATER FORECASTS

# FOR OREGON

# AS OF

# MARCH 1, 1940

* * *

Issued March 9, 1940

by

Division of Irrigation, Soil Conservation Service
United States Department of Agriculture
and
Oregon Agricultural Experiment Station, Medford Branch
Cooperating

* * * * *

Data included in this report were obtained by the agencies listed above, in cooperation with the Oregon State Engineer, U. S. Forest Service, National Park Service and other Federal, State and local organizations. 1/

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1/ The snow measurements are made principally by field personnel of the following organizations:

STATE
- Idaho Cooperative Snow Surveys
- Nevada Cooperative Snow Surveys
- Oregon Agricultural Experiment Station
- Oregon State Engineer and corps of State Watermasters
- Oregon State Highway Engineers

FEDERAL
- Department of Agriculture
  - Forest Service
  - Soil Conservation Service
  - Weather Bureau
- Department of Interior
  - Biological Survey
  - Bureau of Reclamation
  - Geological Survey
  - Indian Service
  - National Park Service

PUBLIC UTILITIES
- Eastern Oregon Light and Power Company
- Portland General Electric Company
- The California Oregon Power Company

MUNICIPALITIES
- City of Corvallis
- City of LaGrande
- City of The Dalles

MUNICIPAL DISTRICTS
- Central Oregon Irrigation District
- Deschutes County Municipal Improvement District
- Grants Pass Irrigation District
- Lakeview Water Users' Association
- Medford and Rogue River Irrigation Districts
- Ochoco Irrigation District
- Warmsprings Irrigation District

2/ Water content determined by melting a measured sample. (The California Oregon Power Company's station.)

3/ N. R. = No report.

STATUS OF VALLEY PRECIPITATION AS OF OCTOBER 1 TO DATE

| Month | Oct. | | Nov. | | Dec. | | Jan. | | Feb. | | Period | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Section | P | D | P | D | P | D | P | D | P | D | P | D |
| S. E. | .69 | -0.03 | .11 | -0.78 | 1.30 | +0.26 | 1.5 | +0.4 | 2.5 | +1.6 | 6.10 | +1.45 |
| S. C. | 1.14 | +0.14 | .05 | -1.65 | 4.23 | +2.48 | 1.9 | 0.0 | 3.5 | +1.1 | 10.82 | +2.07 |
| N. C. | .43 | -0.37 | .07 | -1.48 | 2.25 | +0.75 | 2.6 | +0.8 | 1.8 | +0.6 | 7.15 | +0.30 |
| Col. Riv. | .38 | -0.58 | .04 | -1.76 | 1.90 | +0.30 | 2.2 | +0.6 | 3.6 | +2.3 | 8.12 | +0.86 |
| Wal. Mts. | 2.09 | +0.84 | .09 | -1.88 | 2.13 | +0.18 | 1.1 | -0.6 | 1.5 | -0.1 | 6.91 | -1.56 |
| Blue Mts. | 1.11 | -0.38 | .12 | -1.93 | 2.16 | +0.27 | 2.2 | +0.1 | 3.0 | +1.2 | 8.59 | -0.74 |
| Southern | 2.28 | +0.43 | .15 | -3.74 | 7.17 | +3.44 | 2.8 | -1.3 | 7.3 | +3.9 | 19.70 | +2.73 |
| Willamette | 3.98 | +0.10 | 1.44 | -6.55 | 10.26 | +2.30 | 5.6 | -2.0 | 12.7 | +6.6 | 33.98 | +0.45 |
| Area | 1.51 | +0.02 | 0.26 | -2.47 | 3.92 | +1.25 | 2.5 | -0.2 | 4.5 | +2.2 | 12.67 | +0.70 |

P - Inches precipitation. D - Inches departure from normal.

S.E. - Southeastern Oregon range lands, Harney and Malheur Counties.
S.C. - Southcentral Oregon range lands, Lake County and Klamath County, except the Cascade Mountains.
N. C.- Northcentral Oregon Wheat and range lands, Crook, Deschutes, Jefferson, Wheeler and part of Grant Counties.
Col. Riv. - Columbia River area, wheat and range lands, Gilliam, Morrow, Sherman, Wasco and part of Umatilla Counties.
Wal. Mts. - Wallowa Mountain area, forest and range lands, Wallowa and part of Baker County.
Blue Mts. - The Blue Mountain forest and range area, Union and parts of Baker, Grant and Umatilla Counties.
Southern - Southern Oregon irrigated section, Jackson and Josephine Counties.
Willamette - Parts of Polk, Benton, Yamhill, Washington, Lane and all of Linn, Marion, Clackamas and Multnomah Counties.

Note: Data for the last two months shown above are preliminary only, as they are based on a few stations only. Data for earlier months have been corrected to include all the stations in climatological data for the area.

## STATUS OF WATER PRECIPITATION AS OF OCTOBER 1 TO DATE

| Month | Oct. | | Nov. | | Dec. | | Jan. | | Feb. | | Period | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Section | P | D | P | D | P | D | P | D | P | D | P | D |
| S. E. | .09 | -0.05 | .11 | -0.78 | 1.30 | +0.26 | 1.5 | +0.4 | 2.5 | +1.6 | 6.10 | +1.47 |
| S. O. | 1.14 | +0.14 | .05 | -1.45 | 4.25 | +2.48 | 1.9 | 0.0 | 3.5 | +1.1 | 10.82 | +2.70 |
| N. O. | .41 | -0.37 | .07 | -1.48 | 2.25 | +0.75 | 2.6 | +0.6 | 1.8 | +0.6 | 7.17 | +0.36 |
| Col. Riv. | .38 | -0.52 | .04 | -1.76 | 1.90 | +0.30 | 2.2 | +0.6 | 3.6 | +2.3 | 8.12 | +0.86 |
| Wal. Rte. | 2.09 | +0.04 | .09 | -1.88 | 2.15 | +0.18 | 1.1 | -0.6 | 1.5 | -0.1 | 6.91 | -1.56 |
| Blue Mts. | 1.11 | -0.38 | .12 | -1.85 | 2.16 | +0.27 | 2.2 | +0.1 | 3.0 | +1.2 | 8.59 | -0.74 |
| Southern | 2.28 | +0.45 | .15 | -3.74 | 7.17 | +3.44 | 2.0 | -1.3 | 7.3 | +3.9 | 19.70 | +2.73 |
| Willamette | 3.98 | +0.10 | 1.00 | -6.55 | 10.26 | +2.30 | 5.6 | -2.0 | 12.7 | +6.6 | 33.96 | +0.45 |
| Area | 1.51 | +0.02 | 0.26 | -2.47 | 3.92 | +1.25 | 2.5 | -0.2 | 4.5 | +2.2 | 12.67 | +0.70 |

P - Inches precipitation. D - Inches departure from normal.

S.E. - Southeastern Oregon range lands, Harney and Malheur Counties.
S.O. - Southcentral Oregon range lands, Lake County and Klamath County, except the Cascade Mountains.
N. O. - Northcentral Oregon Timber and range lands, Crook, Deschutes, Jefferson, Wheeler and part of Grant Counties.
Col. Riv. - Columbia River area, wheat and range lands, Gilliam, Morrow, Sherman, Tenco and part of Umatilla Counties.
Wal. Rte. - Walowa Mountain area, forest and range lands, Wallowa and part of Baker County.
Blue Mts. - The Blue Mountain forest and range area, Union and parts of Baker, Grant and Umatilla Counties.
Southern - Southern Oregon irrigated section, Jackson and Josephine Counties.
Willamette - Parts of Polk, Benton, Yamhill, Washington, Lane and all of Linn, Marion, Clackamas and Multnomah Counties.

Water data for the last two months shown above are preliminary only, as they are based on a few stations only. Data for earlier months have been corrected to include all the stations in climatological data for the area.

## STATUS OF RESERVOIR STORAGE AS OF MARCH FIRST

In the following tabulation, water storage in acre feet in some selected Oregon reservoirs as of about March 1, 1940 is compared with storage as of February 1, 1940, as well as with storage as of approximately March 1 of 1939, 1938 and 1937.

| Storage Reservoir | Stream Basin | Capacity Acre Ft. | Acre Feet in Storage About 3-1-40 | About 2-1-40 | About 3-1-39 | About 3-1-38 | About 3-1-37 |
|---|---|---|---|---|---|---|---|
| Agency Valley | Malheur | 60,000 | N.R. | 41,290 | 44,120 | 27,670 | 19,950 |
| Antelope | Owyhee | 33,434 | Empty | Empty | 3,900 | 14,000 | 4,500 |
| Clear Lake | Lost River | 440,240[b] | 241,480[b] | 183,000[b] | 230,160[b] | 120,160[b] | 47,420[b] |
| Crane Prairie | Deschutes | 55,220[c] | 37,000[a] | 29,210 | 30,800 | 40,235 | 37,800 |
| Crescent Lake | Deschutes | 80,000 | 31,480 | 28,900 | 56,760[e] | 33,680 | 26,300 |
| Drew Creek | Goose Lake | 62,500 | N.R. | 17,850 | 33,390 | 42,460 | 35,500 |
| Emigrant Gap | Rogue | 8,200 | Full | 5,803 | 2,716 | 6,704 | 1,090 |
| Fish Lake | Rogue | 7,720 | 4,430 | 3,959 | 6,127 | 4,350 | 4,884 |
| Four Mile Lake | Klamath[d] | 14,000 | 7,826 | 7,484 | 10,394 | 11,767 | 8,747 |
| Gerber | Klamath | 94,000 | 59,220[b] | 36,370[b] | 36,370 | 35,050 | 35,540 |
| Hyatt Prairie | Klamath[d] | 16,000 | 4,400 | 2,885 | 10,810 | 7,665 | 5,000 |
| McKay | Umatilla | 75,000 | 32,840 | 15,120 | 30,110 | 30,790 | 8,054 |
| Ochoco | Crooked | 47,500 | 4,060 | 3,740 | 21,900 | 14,710 | 2,100 |
| Owyhee | Owyhee | 715,000 | 464,170 | 392,760 | 534,020 | 600,000[e] | 630,230 |
| Thief Valley | Powder | 17,400 | 11,912 | 5,600 | 11,045 | 17,400 | 8,180 |
| Upper Klamath Lake | Klamath | 524,800[b] | 383,500[b] | 265,800[b] | 405,400[b] | 421,800[b] | 226,900[b] |
| Wallowa Lake | Wallowa | 40,920 | 11,710 | 10,930 | 36,960 | 14,610 | 7,120 |
| Warm Springs | Malheur | 170,000 | 85,500 | 74,700 | 141,600 | 42,250 | 16,000 |
| Willow Creek | Malheur | 26,000 | 600[e] | 600[e] | 4,000[a] | 750 | Dry |

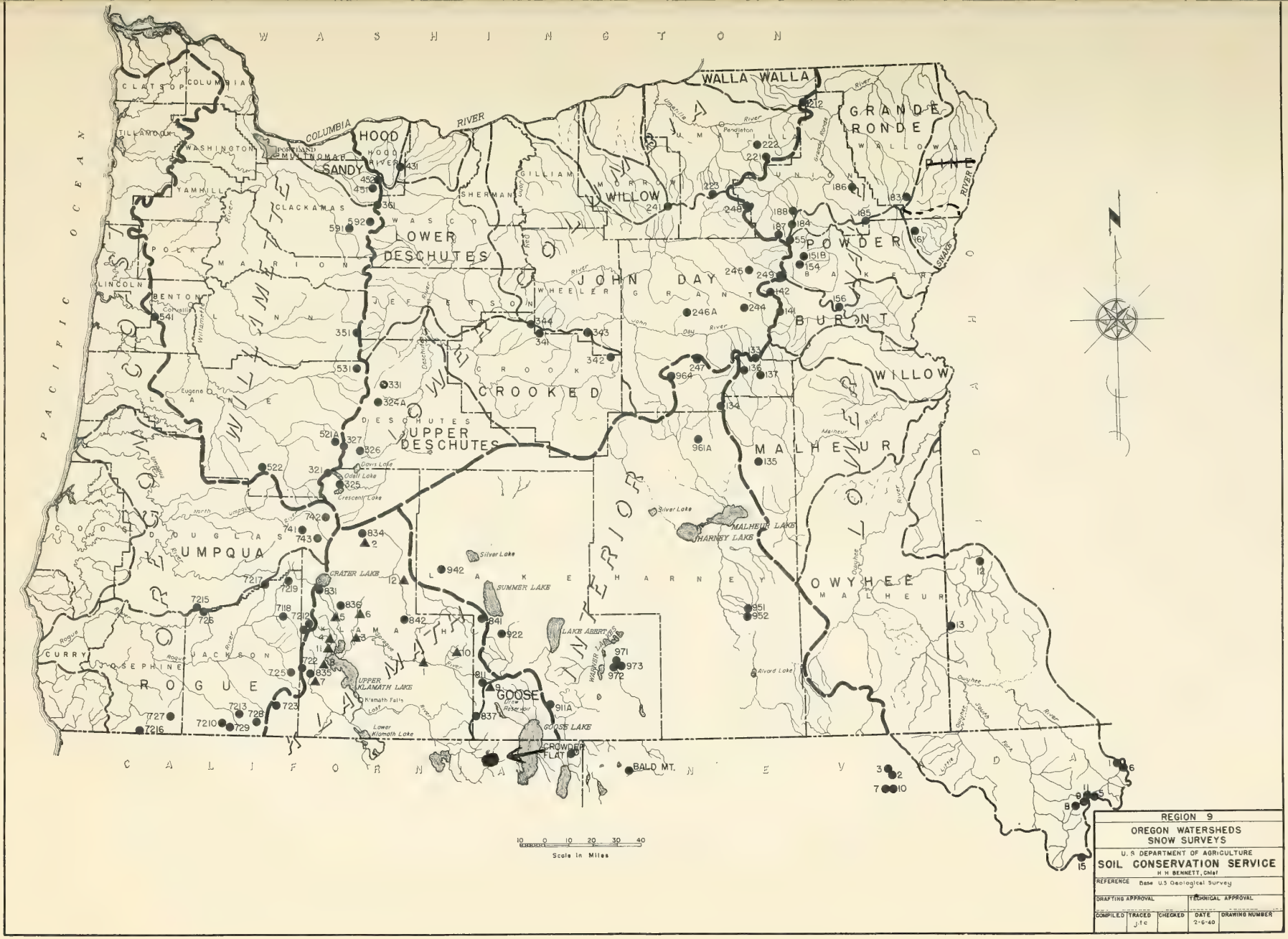
a - Estimated.
b - Available for use.
c - 40,500 by agreement.
d - By ditch to Rogue River side.
e - Approximate.

## STATUS OF RESERVOIR STORAGE AS OF MARCH FIRST

In the following tabulation, water storage in acre feet in some selected Oregon reservoirs as of about March 1, 1940 is compared with storage as of February 1, 1940, as well as with storage as of approximately March 1 of 1939, 1938 and 1937.

| Storage Reservoir | Stream Basin | Capacity Acre Ft. | Acre Feet in Storage: About 3-1-40 | About 2-1-40 | About 3-1-39 | About 3-1-38 | About 3-1-37 |
|---|---|---|---|---|---|---|---|
| Agency Valley | Malheur | 50,000 | [illegible] | 41,290 | 44,120 | 27,670 | 19,350 |
| Antelope | Owyhee | 45,400 | Empty | Empty | 3,900 | 14,000 | 4,500 |
| Clear Lake | Lost River | 440,000[b] | 241,400[b] | 125,000[b] | 230,160[b] | 120,160[b] | 47,420[b] |
| Crane Prairie | Deschutes | 55,000[c] | 37,000[a] | 29,210 | 30,800 | 40,235 | 7,800 |
| Crescent Lake | Deschutes | 80,000 | 31,450 | 28,900 | 56,760[a] | 32,600 | 26,500 |
| Drew Creek | Goose Lake | 62,500 | N.R. | 17,850 | 35,390 | 42,460 | [illegible] |
| Emigrant Gap | Rogue | 8,200 | Full | 5,805 | 2,716 | 6,704 | 1,090 |
| Fish Lake | Rogue | 4,700 | 4,450 | 3,959 | 6,127 | 4,140 | 4,[illegible] |
| Four Mile Lake | Klamath[d] | 14,000 | 7,826 | 7,484 | 10,394 | 11,067 | [illegible] |
| Gerber | Klamath | 94,000 | 59,220[b] | 26,370[b] | 36,370 | 35,040 | [illegible] |
| Hyatt Prairie | Klamath[d] | 16,000 | 4,400 | 2,885 | 10,310 | 7,665 | 5,000 |
| Molalla | Umatilla | 75,000 | 32,840 | 15,120 | 30,110 | 30,660 | [illegible] |
| Odbodo | Crooked | 41,500 | 4,060 | 3,740 | 21,900 | 14,740 | 2,100 |
| Owyhee | Owyhee | 715,000 | 464,170 | 395,760 | 534,020 | 600,000[c] | 6[illegible] |
| Thief Valley | Powder | 17,400 | 11,912 | 5,600 | 14,045 | 17,400 | 5,180 |
| Upper Klamath Lake | Klamath | 524,000[b] | 385,500[b] | 265,800[b] | 405,400[b] | 421,800[b] | 22[illegible] |
| Wallowa Lake | Wallowa | 40,920 | 11,710 | 10,950 | 16,960 | 14,610 | 7,120 |
| Warm Springs | Malheur | 170,000 | 85,500 | 74,700 | 141,600 | 42,250 | 16,000 |
| Willow Creek | Malheur | 26,000 | 600[a] | 600[a] | 4,000[a] | 750 | Dry |

a - Estimated.
b - Available for use.
c - 40,500 by agreement.
d - By ditch to Rogue River side.
e - Approximate.


WASHINGTON
PACIFIC OCEAN
CALIFORNIA
NEVADA
IDAHO
CLATSOP
COLUMBIA
TILLAMOOK
WASHINGTON
YAMHILL
CLACKAMAS
MULTNOMAH
HOOD
SANDY
HOOD RIVER
COLUMBIA RIVER
WASCO
SHERMAN
GILLIAM
MORROW
WALLA WALLA
UMATILLA
GRANDE RONDE
PINE
POWDER
BAKER
BURNT
WILLOW
MALHEUR
OWYHEE
LOWER DESCHUTES
JOHN DAY
CROOKED
UPPER DESCHUTES
MARION
LINCOLN
BENTON
LANE
JEFFERSON
WHEELER
GRANT
CROOK
DESCHUTES
DOUGLAS
UMPQUA
CURRY
JOSEPHINE
JACKSON
ROGUE
KLAMATH
LAKE
HARNEY
Pendleton
Eugene
Corvallis
Crescent Lake
Odell Lake
Crater Lake
Silver Lake
Summer Lake
Lake Abert
Upper Klamath Lake
Klamath Falls
Lower Klamath Lake
Goose Lake
Crowder Flat
Bald Mt.
Malheur Lake
Harney Lake
Alvord Lake
Scale in Miles
REGION 9
OREGON WATERSHEDS
SNOW SURVEYS
U.S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
H. H. BENNETT, Chief
REFERENCE Base U.S. Geological Survey
DRAFTING APPROVAL
TECHNICAL APPROVAL
COMPILED
TRACED
CHECKED
DATE
DRAWING NUMBER
2-6-40

# INDEX TO SNOW COURSES

| Number | Name | Elev. |
|---|---|---|
| | UPPER COLUMBIA DRAINAGE Lower Snake in Oregon | |
| | OWYHEE RIVER | |
| Nev. 1 | Big Bend | 6800 |
| Nev. 2 | Buckskin, Lower | 6800 |
| Nev. 3 | Buckskin, Upper | 8200 |
| 952 | Fish Creek | 7900 |
| Nev. 5 | Fry Canyon | 6800 |
| Nev. 6 | Gold Creek Ranger Sta. | 6600 |
| Nev. 7 | Granite Peak | 8600 |
| Nev. 8 | Jack Creek, Lower | 7000 |
| Nev. 9 | Jack Creek, Upper | 7800 |
| Nev. 10 | Martin Creek | 7000 |
| Nev. 11 | Rodeo Flat | 7000 |
| Ida. 12 | Silver City | 6400 |
| 951 | Silvies | 6900 |
| Ida. 13 | South Mountain | 5100 |
| Nev. 15 | Taylor Canyon | 5200 |
| | MALHEUR RIVER | |
| 133 | Blue Mountain Spring | 5900 |
| 137 | Crane Prairie | 5375 |
| 136 | Lake Creek | 5120 |
| 134 | Rock Spring | 5100 |
| 135 | Stinking Water | 4800 |
| | BURNT RIVER | |
| 141 | Blue Mountain Summit | 5098 |
| 156 | Dooley Mountain | 5430 |
| 142 | Tipton | 5100 |
| | POWDER RIVER | |
| 155 | Anthony Lake | 7125 |
| 154 | Bourne | 5800 |
| 156 | Dooley Mountain | 5430 |
| 1518 | Eilertson Meadows | 5400 |
| 249 | Gold Center | 5340 |
| 184 | Summit Springs | 6000 |
| 185 | Taylor Green | 5740 |
| | PINE CREEK | |
| 161 | Schneider Meadows | 5400 |
| | GRANDE RONDE RIVER | |
| 183 | Aneroid Lake | 7480 |
| 155 | Anthony Lake | 7125 |
| 188 | Beaver Reservoir | 5340 |
| 187 | Camp Carson | 5970 |
| 186 | Moss Spring | 5860 |
| 248 | Schoolmarm | 4775 |
| 184 | Summit Springs | 6000 |
| 185 | Taylor Green | 5740 |
| 212 | Tollgate | 5070 |

| Number | Name | Elev. |
|---|---|---|
| | LOWER COLUMBIA DRAINAGE | |
| | WALLA WALLA RIVER | |
| 212 | Tollgate | 5070 |
| | UMATILLA RIVER | |
| 222 | Emigrant Springs | 3925 |
| 223 | Lucky Strike | 5050 |
| 221 | Meacham | 4300 |
| 212 | Tollgate | 5070 |
| | WILLOW CREEK | |
| 241 | Arbuckle Mountain | 5400 |
| | JOHN DAY RIVER | |
| 241 | Arbuckle Mountain | 5400 |
| 246A | Beech Creek Summit | 4800 |
| 133 | Blue Mountain Spring | 5900 |
| 141 | Blue Mountain Summit | 5098 |
| 244 | Dixie Springs | 6650 |
| 245 | Olive Lake | 6000 |
| 249 | Gold Center | 5340 |
| 964 | Izee Summit | 5293 |
| 248 | Schoolmarm | 4775 |
| 247 | Starr Ridge | 5156 |
| | DESCHUTES RIVER | |
| 326 | Caldwell Ranch | 4400 |
| 321 | Cascade Summit | 4880 |
| 327 | Charlton Lake | 5750 |
| 361 | Clear Lake | 3500 |
| 325 | Crescent Lake | 4760 |
| 343 | Derr | 5670 |
| 351 | Hogg Pass | 4755 |
| 344 | Marks Creek | 4540 |
| 324A | New Dutchman Flat | 6400 |
| 341 | Ochoco Meadows | 5200 |
| 342 | Tamarack | 4800 |
| 331 | Three Creeks Meadows | 5600 |
| | HOOD RIVER | |
| 431 | Brooks Meadows | 4300 |
| | SANDY RIVER | |
| 361 | Clear Lake | 3500 |
| 452 | Phlox Point - Mt. Hood | 5600 |
| 451 | Still Creek | 3700 |
| | CLACKAMAS RIVER | |
| 592 | Clackamas Lake | 3400 |
| 591 | Peavine Ridge | 3500 |
| | WILLAMETTE RIVER | |
| 321 | Cascade Summit | 4880 |
| 522 | Champion | 4500 |
| 327 | Charlton Lake | 5750 |
| 351 | Hogg Pass | 4755 |
| 531 | McKenzie | 4800 |
| 541 | Mary's Peak | 3620 |
| 521A | Waldo Lake | 5500 |

| Number | Name | Elev. |
|---|---|---|
| | INTERIOR DRAINAGE | |
| | SILVER LAKE | |
| 942 | Silver Creek | 4900 |
| | CHEWAUCAN RIVER | |
| 922 | Mill Creek | 6200 |
| | HARNEY BASIN | |
| 973 | Deer Creek | 6670 |
| 952 | Fish Creek | 7900 |
| 971 | Hart Mountain | 6350 |
| 961A | Idylwild Park | 5200 |
| 964 | Izee Summit | 5293 |
| 134 | Rock Spring | 5100 |
| 951 | Silvies | 6900 |
| 247 | Starr Ridge | 5156 |
| | WARNER LAKE | |
| 911A | Camas Creek | 5720 |
| | GUANO LAKE | |
| Nev. | Bald Mountain | 6720 |
| 972 | Guano Creek | 6480 |
| | WEST COAST DRAINAGE | |
| | UMPQUA RIVER | |
| 522 | Champion | 4500 |
| 743 | Diamond Lake | 5315 |
| 726 | Goolaway Gap | 3000 |
| 7215 | Goolaway Mountain | 3730 |
| 742 | N. Umpqua near Lake Creek | 4215 |
| 741 | Trap Creek | 3800 |
| 7217 | Whaleback | 5140 |
| | ROGUE RIVER | |
| 7216 | Althouse | 4400 |
| 831 | Annie Spring | 6018 |
| 729 | Big Red Mountain | 6500 |
| 722 | Billie Creek Divide | 6000 |
| 725 | Fish Lake | 4865 |
| 726 | Goolaway Gap | 3000 |
| 7215 | Goolaway Mountain | 3730 |
| 727 | Grayback Peak | 6000 |
| 723 | Hyatt Prairie Reservoir | 4900 |
| 7210 | Little Red Mountain | 6500 |
| 7211 | Seven Lakes No. 1 | 6800 |
| 7212 | Seven Lakes No. 2 | 6200 |
| 7219 | Silver Burn | 3720 |
| 728 | Siskiyou Summit | 4630 |
| 7218 | South Fork Canal | 3500 |
| 7213 | Wagner Butte | 6900 |
| 7217 | Whaleback | 5140 |

| Number | Name | Elev. |
|---|---|---|
| | KLAMATH LAKE BASIN | |
| 831 | Annie Spring | 6018 |
| 722 | Billie Creek Divide | 6000 |
| 834 | Chemult No. 1 | 4760 |
| Calif. | Crowder Flat | 5200 |
| 723 | Hyatt Prairie Reservoir | 4900 |
| 835 | Lake of the Woods | 4960 |
| 811 | Quartz Mountain | 5320 |
| 7211 | Seven Lakes No. 1 | 6800 |
| 7212 | Seven Lakes No. 2 | 6200 |
| 837 | Strawberry | 5600 |
| 841 | Summer Rim | 7200 |
| 836 | Sun Mountain | 5350 |
| 842 | Taylor Butte | 5100 |
| | GOOSE LAKE BASIN | |
| 911A | Camas Creek | 5720 |
| 811 | Quartz Mountain | 5320 |
| 837 | Strawberry | 5600 |

INDEX TO CALIFORNIA-OREGON POWER COMPANY SNOW WATER STATIONS

| Number | Name | Elev. |
|---|---|---|
| | KLAMATH LAKE BASIN | |
| 1 | Beatty | 4300 |
| 2 | Chemult | 4761 |
| 3 | Chiloquin | 4187 |
| 4 | Crystal | 4200 |
| 5 | Fort Klamath | 4150 |
| 6 | Kirk | 4533 |
| 7 | Lake of the Woods | 4960 |
| 8 | Pelican | 4200 |
| 9 | Quartz Mountain | 5504 |
| 10 | Richardson Ranch | 4800 |
| 11 | Rocky Point | 4150 |
| 12 | Yamsey | 4600 |
| | GOOSE LAKE BASIN | |
| 9 | Quartz Mountain | 5504 |

## COMPARISON OF SNOW COVER AS OF MARCH FIRST WITH THAT OF PREVIOUS YEARS

Generally heavy storms during February increased the snow cover at higher elevations very materially over the amounts reported for Oregon as of February 1, 1940. For elevations above 5,000 feet, of the 42 snow courses reporting March 1, 1940, 29 were measured last month, 38 were measured about March 1, 1939, 31 were measured about March 1, 1938 and 24 were measured about March 1, 1937. Comparison of records on these courses for the approximate dates mentioned follows:

Snow cover (water content) now present above 5,000 feet:

| | |
|---|---|
| As percent of that present one month ago ------- | 483 |
| As percent of that present one year ago ------- | 83 |
| As percent of that present two years ago ------- | 91 |
| As percent of that present three years ago ------ | 76 |

For elevations from 3,000 to 5,000 feet, of the 29 courses and Copco water stations reporting about March 1, 1940, 29 were measured last month, 29 were measured about March 1, 1939, 24 were measured about March 1, 1938 and 17 were measured about March 1, 1937. Comparison of records on these courses for the approximate dates mentioned follows:

Snow cover (water content) now present from 3,000 to 5,000 feet:

| | |
|---|---|
| As percent of that present one month ago ------- | 245 |
| As percent of that present one year ago ------- | 36 |
| As percent of that present two years ago ------- | 47 |
| As percent of that present three years ago ------ | 18 |

Snow water content on 83 percent of all courses at all elevations is less than at this time last year and, with 16 exceptions out of 96 comparisons, is substantially less than on about March 1 of either 1938 or 1937.

The greatest increase in snow cover since last month at elevations above 5,000 feet occurred in the Malheur, Burnt and Power River basins. Snow cover on many stream basins and especially below the 5,000 foot level, remains deficient and heavier than normal snowfall will be required during March if late summer stream flow in these basins is to even equal that of last year.

Soil of the watersheds, without important exception, is unfrozen and in all locations is reported as wet to very wet. Frost generally went out of the ground by late February.

Final seasonal snow measurements will be made on all Oregon snow courses during the closing days of March and more definite water supply forecasts will be issued early in April.

STATUS OF SNOW COVER AS OF MARCH FIRST (Con't.)

Summary of Snow Survey Data
by Tributary Drainages as of about March First

| Tributary Drainage | Number of snow courses averaged | Average Water Depth in Snow Cover (Inches) 1940 | 1939 | 1938 | 1937 | 1940 Snow Water Depth (Inches) expressed as % of that in 1939 | 1938 | 1937 |
|---|---|---|---|---|---|---|---|---|
| Owyhee River | 12 | 7.2 | 7.8 | | | 92 | | |
| | 12 | 7.2 | | 6.4 | | | 112 | |
| | 12 | 7.2 | | | 9.0 | | | 80 |
| Malheur River | 2 | 5.8 | 4.7 | | | 123 | | |
| | 2 | 5.8 | | 4.7 | | | 123 | |
| | 2 | 5.8 | | | 5.4 | | | 107 |
| Burnt River | 2 | 6.8 | 7.2 | | | 94 | | |
| | 1 | 5.4 | | 6.7 | | | 81 | |
| | 1 | 5.4 | | | 9.3 | | | 58 |
| Powder River | 5 | 12.7 | 13.5 | | | 94 | | |
| | 2 | 13.1 | | 12.8 | | | 102 | |
| | 1 | 13.0 | | | 10.2 | | | 127 |
| Grande Ronde River | 3 | 13.1 | 21.2 | | | 62 | | |
| | 1 | 18.0 | | 19.6 | | | 92 | |
| | - | - | | | - | | | - |
| Walla Walla River | 1 | 18.1 | 34.6 | | | 52 | | |
| | - | - | | - | | | - | |
| | - | - | | | - | | | - |
| Umatilla River | 4 | 9.9 | 18.2 | | | 54 | | |
| | 2 | 6.6 | | 5.9 | | | 112 | |
| | - | - | | | - | | | - |
| John Day River | 7 | 6.1 | 9.3 | | | 66 | | |
| | 5 | 6.1 | | 8.0 | | | 76 | |
| | 5 | 6.1 | | | 10.3 | | | 59 |
| Crooked River | 2 | 5.5 | 7.6 | | | 72 | | |
| | 2 | 5.5 | | 7.4 | | | 74 | |
| | 1 | 8.0 | | | 13.6 | | | 59 |
| Sandy River | 2 | 18.6 | 38.5 | | | 48 | | |
| | 2 | 18.6 | | 27.8 | | | 67 | |
| | - | - | | | - | | | - |

| | | 1940 | 1939 | 1938 | 1937 | 1939 | 1938 | 1937 |
|---|---|---|---|---|---|---|---|---|
| Clackamas River | 2 | 6.7 | 16.4 | | | 41 | | |
| | 2 | 6.7 | | 11.6 | | | 58 | |
| | - | - | | | - | | | - |
| Willamette River | 1 | 9.6 | 37.0 | | | 26 | | |
| | - | - | | - | | | - | |
| | - | - | | | - | | | - |
| Harney Basin | 5 | 4.2 | 5.8 | | | 72 | | |
| | 4 | 4.5 | | 5.4 | | | 83 | |
| | 4 | 4.5 | | | 7.3 | | | 62 |
| Silver Lake Basin | 1 | 1.4 | 4.4 | | | 32 | | |
| | - | - | | - | | | - | |
| | - | - | | | - | | | - |
| Abert Lake Basin | 1 | 6.0 | 5.4 | | | 111 | | |
| | - | - | | - | | | - | |
| | - | - | | | - | | | - |
| Umpqua River | 4 | 5.5 | 17.8 | | | 31 | | |
| | 1 | 9.6 | | 18.2 | | | 53 | |
| | 1 | 9.6 | | | 21.2 | | | 45 |
| Upper Rogue River | 10 | 7.9 | 15.2 | | | 52 | | |
| | 8 | 9.5 | | 16.9 | | | 56 | |
| | 7 | 8.8 | | | 20.0 | | | 44 |
| Applegate River | 1 | 14.3 | 14.5 | | | 99 | | |
| | 1 | 14.3 | | 16.7 | | | 86 | |
| | - | - | | | - | | | - |
| Klamath Lake Basin | 20* | 5.7 | 9.5 | | | 60 | | |
| | 18* | 6.2 | | 10.8 | | | 57 | |
| | 15* | 4.9 | | | 11.4 | | | 43 |
| Goose Lake Basin | 3* | 4.0 | 6.8 | | | 59 | | |
| | 2* | 4.4 | | 9.6 | | | 46 | |
| | 1* | 3.8 | | | 7.2 | | | 53 |

Note: *Including Copco water measurement stations.

| TRIBUTARY BASINS (Primary & Secondary & Snow Courses) | Oregon Number | LOCATION Sec. | Twp. | Range | Elev. | SNOW COVER MEASUREMENTS About March 1, 1940 Date | Avg. Snow Depth (In.) | Avg. Water Depth (In.) | AVERAGE WATER DEPTH (INCHES) One Month ago (2-1-40) | One Year ago (3-1-39) | Two Years ago (3-1-38) | Three Years ago (3-1-37) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UPPER COLUMBIA DRAINAGE** | | | | | | | | | | | | |
| **LOWER SNAKE IN OREGON** | | | | | | | | | | | | |
| OWYHEE RIVER | | | | | | | | | | | | |
| Granite Peak | Nev. | 27 | 44N | 39E | 8600 | 3-3 | 44.1 | 15.0 | - | 12.8 | 13.5 | 7.9 |
| Upper Buckskin | Nev. | 14 | 45N | 39E | 8200 | 2-29 | 26.2 | 10.8 | - | 8.0 | 7.2 | 6.8 |
| Upper Jack Creek | Nev. | 9 | 42N | 53E | 7800 | 3-1 | 25.0 | 9.3 | - | 12.9 | 4.5 | 7.3 |
| Lower Jack Creek | Nev. | 19 | 42N | 53E | 7000 | 3-1 | 4.0 | 1.3 | - | 7.9 | 2.4 | 4.5 |
| Martin Creek | Nev. | 24 | 44N | 39E | 7000 | 2-28 | 21.4 | 6.8 | - | 5.8 | 8.1 | 6.0 |
| Rodeo Flat | Nev. | 31 | 43N | 54E | 7000 | 3-1 | 24.6 | 7.5 | - | 11.0 | 6.5 | 8.6 |
| Big Bend | Nev. | 30 | 45N | 56E | 6800 | 3-3 | 21.4 | 6.4 | - | 7.2 | 8.2 | 9.4 |
| Fry Canyon | Nev. | 32 | 43N | 54E | 6800 | 3-1 | 21.7 | 6.4 | - | 10.0 | 7.2 | 10.0 |
| Lower Buckskin | Nev. | 25 | 45N | 39E | 6800 | 3-1 | 17.9 | 5.8 | - | 6.7 | 8.1 | 8.3 |
| Gold Creek Ranger Station | Nev. | 32 | 45N | 56E | 6600 | 3-3 | 14.4 | 4.5 | - | 4.5 | 4.8 | 7.7 |
| Silver City | Idaho | 6 | 5S | 3W | 6400 | 2-29 | 27.4 | 9.4 | 4.8 | 6.4 | 7.1 | 21.9 |
| Taylor Canyon | Nev. | 32 | 39N | 53E | 5200 | 3-1 | 9.5 | 3.0 | - | 6.0 | 4.9 | 7.8 |
| MALHEUR RIVER | | | | | | | | | | | | |
| Blue Mountain Spring | 133 | 21 | 15S | 35E | 5900 | (Measurements delayed) | | | 3.6 | 13.9 | 19.0 | 15.3 |
| Crane Prairie | 137 | 24 | 16S | 34E | 5375 | (by high water. ) | | | 3.0 | 10.1 | 8.1 | - |
| Lake Creek | 136 | 10 | 16S | 33½E | 5120 | ( ) | | | 3.4 | 11.2 | 9.0 | - |
| Rock Spring | 134 | 23 | 18S | 32E | 5100 | 2-29 | 16.7 | 5.4 | 3.2 | 5.8 | 5.5 | 7.9 |
| Stinking Water | 135 | 6 | 21S | 37E | 4800 | 2-27 | 12.3 | 6.3 | 3.7 | 3.8 | 3.0 | - |
| BURNT RIVER | | | | | | | | | | | | |
| Dooley Mountain | 156 | 32 | 11S | 40E | 5430 | 2-29 | 28.7 | 8.2 | 3.1 | 5.3 | - | - |
| Blue Mountain Summit | 141 | 6 | 12S | 36E | 5098 | 2-29 | 20.9 | 5.4 | 1.8 | 9.2 | 6.7 | 9.3 |

| TRIBUTARY BASINS (Primary & Secondary & Snow Courses) | Oregon Number | LOCATION Sec. | Twp. | Range | Elev. | SNOW COVER MEASUREMENTS About March 1, 1940 Date | Avg. Snow Depth (In.) | Avg. Water Depth (In.) | AVERAGE WATER DEPTH (INCHES) One Month ago (2-1-40) | One Year ago (3-1-39) | Two Years ago (3-1-38) | Three Years ago (3-1-37) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| POWDER RIVER | | | | | | | | | | | | |
| Anthony Lake | 155 | 18 | 7S | 37E | 7125 | 2-28 | 62.7 | 19.0 | 8.7 | 21.8 | - | - |
| Bourne | 154 | 33 | 8S | 37E | 5800 | 2-29 | 43.3 | 13.0 | 5.3 | 12.9 | 14.1 | 10.2 |
| Dooley Mountain | 156 | 32 | 11S | 40E | 5430 | 2-29 | 28.6 | 8.2 | 3.1 | 5.3 | - | - |
| Eilertson Meadows | 151B | 18 | 8S | 38E | 5400 | 2-29 | 30.2 | 13.2 | 4.0 | 15.1 | 11.5 | - |
| Gold Center | 249 | 21 | 9S | 36E | 5340 | 3-1 | 31.7 | 10.3 | 3.9 | 12.6 | - | - |
| GRANDE RONDE RIVER | | | | | | | | | | | | |
| Anthony Lake | 155 | 18 | 7S | 37E | 7125 | 2-28 | 62.7 | 19.0 | 8.7 | 21.8 | - | - |
| Moss Spring | 186 | 27 | 3S | 41E | 5860 | 3-1 | 57.8 | 18.0 | 7.5 | - | 19.6 | - |
| Beaver Reservoir | 188 | 8 | 5S | 37E | 5340 | | N.R. | | 7.4 | 16.6 | - | - |
| Schoolmarm | 248 | 28 | 4S | 34E | 4775 | 2-29 | 7.6 | 2.1 | 0.9 | 7.3 | - | - |
| LOWER COLUMBIA DRAINAGE | | | | | | | | | | | | |
| WALLA WALLA RIVER | | | | | | | | | | | | |
| Tollgate | 212 | 32 | 4N | 38E | 5070 | 2-25 | 61.4 | 18.1 | 5.9 | 34.6 | - | - |
| UMATILLA RIVER | | | | | | | | | | | | |
| Lucky Strike | 223 | 28 | 3S | 32E | 5050 | 2-27 | 29.7 | 8.3 | 3.4 | 14.5 | - | - |
| Meacham | 221 | 24&25 | 1S | 35E | 4300 | 2-26 | 25.9 | 7.5 | 2.3 | 13.3 | 6.7 | - |
| Emigrant Springs | 222 | 29 | 1N | 35E | 3925 | 2-26 | 19.4 | 5.8 | 2.2 | 10.4 | 5.2 | - |
| JOHN DAY RIVER | | | | | | | | | | | | |
| Olive Lake | 245 | 14 | 9S | 33½E | 6000 | 2-28 | 39.3 | 12.2 | 5.0 | 13.5 | 16.2 | 16.0 |
| Blue Mountain Spring | 133 | 21 | 15S | 35E | 5900 | Measurement delayed. | | | 3.6 | 13.9 | 19.0 | 15.3 |

| TRIBUTARY BASINS (Primary & Secondary & Snow Courses) | Oregon Number | LOCATION Sec. | Twp. | Range | Elev. | SNOW COVER MEASUREMENTS About March 1, 1940 Date | Avg. Snow Depth (In.) | Avg. Water Depth (In.) | AVERAGE WATER DEPTH (INCHES) One Month ago (2-1-40) | One Year ago (3-1-39) | Two Years ago (3-1-38) | Three Years ago (3-1-37) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gold Center | 249 | 21 | 9S | 36E | 5340 | 3-1 | 31.7 | 10.4 | 3.9 | 12.6 | - | - |
| Izee Summit | 964 | 28 | 16S | 29E | 5293 | 2-27 | 19.6 | 5.2 | 1.0 | 9.1 | 6.7 | 8.3 |
| Starr Ridge | 247 | 20 | 15S | 31E | 5156 | 2-27 | 10.9 | 3.2 | 1.1 | 5.6 | 3.3 | 7.3 |
| Starr Ridge * | 247B | 20 | 15S | 31E | 5150 | 2-27 | 14.1 | 3.8 | - | - | - | - |
| Blue Mountain Summit | 141 | 6 | 12S | 36E | 5098 | 2-29 | 20.9 | 5.4 | 1.8 | 9.2 | 6.7 | 9.3 |
| Beech Creek Summit | 246A | 4 | 12S | 30E | 4800 | 2-27 | 12.0 | 4.5 | 2.4 | 7.6 | 6.9 | 10.7 |
| Schoolmarm | 248 | 28 | 4S | 34E | 4775 | 2-29 | 7.6 | 2.1 | 0.9 | 7.3 | - | - |
| DESCHUTES RIVER | | | | | | | | | | | | |
| Cchoco Meadows | 341 | 21 | 13S | 20E | 5200 | 2-27 | 29.7 | 8.0 | 1.8 | 9.6 | 10.0 | 13.6 |
| Marks Creek | 344 | 25 | 12S | 19E | 4540 | 2-26 | 10.9 | 3.1 | 2.1 | 5.6 | 4.8 | - |
| SANDY RIVER | | | | | | | | | | | | |
| Phlox Point - Mt. Hood | 452 | 6 | 3S | 9E | 5600 | 3-1 | 81.5 | 29.6 | 9.7 | 54.7 | 42.8 | - |
| Still Creek | 451 | 25 | 3S | 8½E | 3700 | 3-1 | 21.7 | 7.6 | 3.0 | 22.4 | 12.8 | - |
| CLACKAMAS RIVER | | | | | | | | | | | | |
| Peavine Ridge | 591 | 14&15 | 6S | 7E | 3500 | 3-5 | 20.3 | 7.6 | 3.2 | 19.2 | 13.0 | - |
| Clackamas Lake | 592 | 35 | 5S | 8½E | 3400 | 2-29 | 16.8 | 5.8 | 1.8 | 13.7 | 10.2 | - |
| WILLAMETTE RIVER | | | | | | | | | | | | |
| Champion | 522 | 12 | 23S | 1E | 4500 | 2-29 | 30.0 | 9.6 | 1.7 | 37.0 | - | - |

Note: * Relocation of course 247, which will be discontinued.

| TRIBUTARY BASINS (Primary & Secondary & Snow Courses) | Oregon Number | LOCATION Sec. | Twp. | Range | Elev. | SNOW COVER MEASUREMENTS About March 1, 1940 Date | Avg. Snow Depth (In.) | Avg. Water Depth (In.) | AVERAGE WATER DEPTH (INCHES) One Month ago (2-1-40) | One Year ago (3-1-39) | Two Years ago (3-1-38) | Three Years ago (3-1-37) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **INTERIOR DRAINAGE** | | | | | | | | | | | | |
| SILVER LAKE | | | | | | | | | | | | |
| Silver Creek | 942 | 25&26 | 29S | 13E | 4900 | 2-16 | 6.7 | 1.4 | 1.0 | 4.4 | - | - |
| CHEWAUCAN RIVER | | | | | | | | | | | | |
| Mill Creek | 922 | 1 | 34S | 17E | 6200 | 3-4 | 23.0 | 6.0 | - | 5.4 | - | - |
| HARNEY BASIN | | | | | | | | | | | | |
| Deer Creek | 973 | 17 | 36S | 26E | 6670 | 3-1 | 20.7 | 6.1 | 1.9 | - | - | - |
| Hart Mountain | 971 | 1 | 36S | 25E | 6350 | 3-4 | 8.9 | 2.8 | 1.2 | 2.8 | - | - |
| Izee Summit | 964 | 28 | 16S | 29E | 5293 | 2-27 | 19.6 | 5.2 | 1.0 | 9.1 | 6.7 | 8.3 |
| Idylwild Camp | 961A | 33 | 20S | 31E | 5200 | 3-1 | 13.6 | 4.3 | 2.8 | 5.9 | 6.1 | 5.7 |
| Starr Ridge | 247 | 20 | 15S | 31E | 5156 | 2-27 | 10.9 | 3.2 | 1.1 | 5.6 | 3.3 | 7.3 |
| Starr Ridge* | 247B | 20 | 15S | 31E | 5150 | 2-27 | 14.1 | 3.8 | - | - | - | - |
| Rock Spring | 134 | 23 | 18S | 32E | 5100 | 2-29 | 16.7 | 5.4 | 3.2 | 5.8 | 5.5 | 7.9 |
| Note* See Page 10. | | | | | | | | | | | | |
| GUANO LAKE | | | | | | | | | | | | |
| Bald Mountain | Nev. | 17 | 45N | 21E | 6720 | 2-26 | 12.6 | 2.9 | - | - | - | - |
| Guano Creek | 972 | 13 | 36S | 25E | 6480 | 3-4 | 19.3 | 5.6 | 2.2 | - | - | - |
| **WEST COAST DRAINAGE** | | | | | | | | | | | | |
| UMPQUA RIVER | | | | | | | | | | | | |
| Diamond Lake | 743 | 29 | 27S | 6E | 5315 | 2-29 | 31.7 | 9.6 | 3.1 | 18.3 | 18.2 | 21.2 |
| Champion | 522 | 12 | 23S | 1E | 4500 | 2-29 | 30.0 | 9.6 | 1.7 | 37.0 | - | - |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Goolaway Mountain | 7215 | 30 | 32S | 3W | 3730 | 2-27 | 5.2 | 2.1 | 0.0 | 10.9 | - | - |
| Goolaway Gap | 726 | 32 | 32S | 3W | 3000 | 2-27 | 1.5 | 0.6 | 0.0 | 4.9 | - | - |
| ROGUE RIVER | | | | | | | | | | | | |
| Wagner Butte | 7213 | 1 | 40S | 1W | 6800 | 3-5 | 42.0 | 14.3 | 4.0 | 14.5 | 16.7 | - |
| Annie Spring | 831 | 19 | 31S | 6E | 6018 | 3-1 | 105.1 | 38.0 | 20.5 | 34.0 | 41.6 | 37.8 |
| Billie Creek Divide | 722 | 17 | 36S | 5E | 6000 | 2-29 | 32.0 | 10.8 | 3.7 | 27.8 | 18.4 | 27.4 |
| Hyatt Prairie Reservoir | 723 | 15 | 39S | 3E | 4900 | 3-4 | 11.6 | 4.5 | 0.0 | 11.9 | 12.6 | 15.0 |
| Fish Lake | 725 | 3 | 37S | 4E | 4865 | 3-1 | 6.9 | 2.8 | 0.0 | 17.1 | 11.6 | 17.2 |
| Siskiyou Summit | 728 | 17 | 40S | 2E | 4630 | 2-25 | 10.6 | 3.0 | 0.1 | 6.6 | 11.3 | 14.5 |
| Althouse | 7216 | 17 | 41S | 7W | 4400 | 2-29 | 12.7 | 2.9 | 0.0 | - | - | - |
| Goolaway Mountain | 7215 | 30 | 32S | 3W | 3730 | 2-27 | 5.2 | 2.1 | 0.0 | 10.9 | - | - |
| Silver Burn | 7219 | 30 | 30S | 4E | 3720 | 3-1 | 6.8 | 2.5 | 0.0 | 15.7 | 16.1 | 16.3 |
| South Fork Canal | 7218 | 12 | 33S | 3E | 3500 | 3-1 | 0.0 | 0.0 | 0.0 | 9.0 | 6.8 | 11.6 |
| Goolaway Gap | 726 | 32 | 32S | 3W | 3000 | 2-27 | 1.5 | 0.6 | 0.0 | 4.9 | - | - |
| KLAMATH LAKE BASIN | | | | | | | | | | | | |
| Summer Rim | 841 | 15 | 33S | 16E | 7200 | 3-2 | 48.0 | 12.6 | - | 9.2 | 15.2 | - |
| Annie Spring | 831 | 19 | 31S | 6E | 6018 | 3-1 | 105.1 | 38.0 | 20.5 | 34.0 | 41.6 | 37.8 |
| Billie Creek Divide | 722 | 17 | 36S | 5E | 6000 | 2-29 | 32.0 | 10.8 | 3.7 | 27.8 | 18.4 | 27.4 |
| Strawberry | 837 | 4 | 40S | 16E | 5600 | 2-29 | 17.7 | 5.0 | 2.4 | 8.7 | 8.8 | - |
| Quartz Mountain 2/ | | 33 | 37S | 16E | 5504 | 2-29 | 11.0 | 3.8 | 0.0 | 6.9 | 10.5 | 7.2 |
| Sun Mountain | 836 | 22 | 32S | 7½E | 5350 | 2-27 | 62.5 | 21.0 | 10.2 | 22.9 | 24.4 | - |
| Quartz Mountain | 811 | 2 | 38S | 16E | 5320 | 2-29 | 8.0 | 3.1 | Trace | 4.8 | - | - |
| Crowder Flat (California) | | 30 | 47N | 11E | 5200 | 2-29 | Trace | Trace | 1.5 | 3.6 | - | - |
| Lake of the Woods No. 1 | 835 | 11 | 37S | 5E | 4960 | 2-29 | 10.2 | 2.8 | 0.6 | 9.7 | 10.2 | 9.4 |
| Hyatt Prairie Reservoir | 723 | 15 | 39S | 3E | 4900 | 3-4 | 11.6 | 4.5 | 0.0 | 11.9 | 12.6 | 15.0 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Richardson Ranch 2/ | | 22 | 35S | 14E | 4800 | 2-29 | 0.0 | 0.0 | 0.0 | 2.1 | 3.2 | 4.7 |
| Chemult No. 1 | 834 | 21 | 27S | 8E | 4760 | 2-29 | 23.2 | 8.0 | 5.5 | 8.7 | 12.5 | 10.5 |
| Yamsey 2/ | | 19 | 30S | 11E | 4600 | 2-29 | 0.0 | 0.0 | 0.0 | 1.9 | 3.0 | 8.4 |
| Kirk 2/ | | 1 | 33S | 7E | 4533 | 2-29 | 0.0 | 0.0 | 1.8 | 8.5 | 7.0 | 9.5 |
| Beatty 2/ | | 22 | 36S | 12E | 4300 | 2-29 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 |
| Crystal 2/ | | 26 | 34S | 6E | 4200 | 2-29 | 14.0 | 5.2 | 2.2 | 9.0 | 6.5 | 10.5 |
| Pelican 2/ | | 10 | 36S | 6E | 4200 | 2-29 | 0.0 | 0.0 | 0.0 | 5.9 | 4.0 | 7.0 |
| Chiloquin 2/ | | 34 | 34S | 7E | 4187 | 2-29 | 0.0 | 0.0 | 0.0 | 3.2 | 4.4 | 4.0 |
| Fort Klamath 2/ | | 22 | 33S | 7½E | 4150 | 2-29 | 0.0 | 0.0 | 1.8 | 6.1 | 8.6 | 8.2 |
| Rocky Point 2/ | | 26 | 35S | 6E | 4150 | 2-29 | 0.0 | 0.0 | 0.0 | 4.8 | 4.2 | 9.2 |
| GOOSE LAKE BASIN | | | | | | | | | | | | |
| Strawberry | 837 | 4 | 40S | 16E | 5600 | 2-29 | 17.7 | 5.0 | 2.4 | 8.7 | 8.8 | - |
| Quartz Mountain 2/ | | 33 | 37S | 16E | 5504 | 2-29 | 11.0 | 3.8 | 0.0 | 6.9 | 10.5 | 7.2 |
| Quartz Mountain | 811 | 2 | 38S | 16E | 5320 | 2-29 | 8.0 | 3.1 | Trace | 4.8 | - | - |